Energy storage cloud and yangtze river cloud

Universal Energy was established in the context of China"s Belt and Road Initiative and the Global Emissions Reduction Initiative. By integrating the advantages in capital, technologies and human resources, UE persistently implements its business philosophy of "global layout, stable operation, win-win cooperation and mutual benefit".

In an effort to ease the drought conditions plaguing the Yangtze River region, China is apparently preparing to utilize cloud-seeding technology to make it rain, according to Newsweek.

Based on the NOAA"s Advanced Very High Resolution Radiometer (AVHRR) Pathfinder Atmospheres Extended (PATMOS-x) monthly mean cloud amount data, variations of annual and seasonal mean cloud amount over the Yangtze River Delta (YRD), China were examined for the period 1982-2006 by using a linear regression analysis. Both total and high-level cloud ...

Concept of digital twin construction scheme for flood storage space in mid-lower Yangtze River. August 2022 ... cloud computing and c loud storage, ... requirements for the development of energy ...

Based on the panel data of 108 cities in the Yangtze River Economic Belt from 2011 to 2021, this study constructs a fixed effect model, a mediating effect model, and a threshold effect model to verify the enabling role, conduction path, and nonlinear effect of the digital economy on the high-quality development of the manufacturing industry in the Economic Belt. ...

A subsidiary of China National Offshore Oil Corporation (CNOOC) has completed the construction of China"s largest LNG storage base, a move that aims to ensure energy security and support green growth in the Yangtze River economic belt.The base in

The spatiotemporal changes of open-surface water bodies in the Yangtze River Basin (YRB) have profound influences on sustainable economic development, and are also closely relevant to water scarcity in China. However, long-term changes of open-surface water bodies in the YRB have remained poorly characterized. Taking advantage of the Google Earth Engine (GEE) cloud ...

Locally evaporated water vapor is an important source of precipitation in China. The spatiotemporal variation characteristics of the precipitation recycling ratio (r) in the Yangtze River Basin (YRB) in 1979-2020 were calculated and analyzed, and the contribution of internal and external cycling precipitation changes to the total precipitation changes in YRB under ...

The Yangtze River is the longest river in China and the third longest river in the world, it plays a key role in

the social and economic development of China . The Middle Yangtze River Basin (MYRB) is located in the middle of China. Appropriate climate and geographical conditions have made the MYRB an important food production area in China.

Long-term changes of open-surfacewater bodies in the Yangtze River Basin based on the google earth engine cloud platform. Yue Deng, Weiguo Jiang, Zhenghong Tang, Ziyan Ling, Zhifeng Wu ... cloud platform, this study processed 75,593 scenes of Landsat images to investigate the long-term changes of open-surface water bodies in the YRB from 1984 ...

Based on the TBB (temperature of black body) data from the GOES-9(2003) and FY 2C(2007), the station observed data and the NCEP reanalysis data with the resolution of 1°×1° (four times a day), the impacts of the eastward propagation of convective cloud systems over the Tibetan Plateau on the rainfall of downstream areas during the Meiyu periods of 2003 and 2007 are ...

The record-breaking meiyu in the Yangtze-Huaihe River valley (YHRV) in 2020 was characterized by an early onset, a delayed retreat, a long duration, a wide meridional rainbelt, abundant ...

Decarbonization of electrical power generation is an essential necessity in the reduction of carbon emissions, mitigating climate change and attaining sustainable development. Solar energy as a substitution for fossil fuel-based energy sources has the potential to aid in realizing this sustainable future. This research performs a geographic information systems ...

The forest biomass carbon storage in the Yangtze River Economic Belt will increase by 3.67 Pg C from 2015 to 2060. The proportion of forest C sinks on the regional scale to C emissions on the national scale will increase from 2.9% in 2021-2030 to 4.3% in 2041-2050.

The experience of environmental governance in the Yangtze River Delta has formed the practical paths of cross-administrative cooperation and eco-civilization adaptation to economic development. As a result of a scientific analysis of policy texts on collaborative environmental governance in this region, this paper explores differences and core concerns, ...

As a typical climate that occurs in the Yangtze-Huaihe River basin of China with a size of 500,000 km2, plum rain can reduce the photovoltaic (PV) potential by lowering ...

The Yangtze River Economic Belt (YREB) is the core region for the security of mineral resources in China and is a strategic water source containing rich water resources.

However, the research on the sub-cloud secondary evaporation effect in the Yangtze River Basin is relatively poor. Meng et al. used the original isotope data of 443 GNIP precipitation samples in the Yangtze River Basin to calculate the corresponding atmospheric precipitation lines for rainfall and snowfall in the basin. The

correlation between ...

Water-energy-food (WEF) risks and security are widely concerned, but there are few quantitative studies on WEF security assessment, especially lacking of researches at the urban scale.

HANGZHOU, China, Aug. 11, 2023 /PRNewswire/ -- Roan Holdings Group Co., Ltd. ("Roan" or the "Company") (OTC Pink Sheets: RAHGF and RONWF), a comprehensive solution provider for industrial operations and capital market services in China, with a focus on the new energy, new materials, and semiconductor industries, announced today that Roan has assisted Yangtze ...

The intangible cultural heritage in the Yangtze River Basin is rich and complete, therefore revealing its spatial distribution characteristics and influencing factors can provide a scientific basis for the diversified cultural protection and inheritance in the Yangtze River Basin and the high-quality sustainable development of the region. This study sets a total of 1250 ...

the 2022 YRV heatwave from the perspective of surface energy budget and land-air feedback. 1 Introduction During the boreal midsummer (July-August) of 2022, the Yangtze River Valley ...

We establish a cloud model to assess the overall risk level of regional energy security. ... The Yangtze River Delta (YRD) region is located in relatively wealthy eastern coastal regions in China; and this supra-region encompasses Shanghai, Jiangsu province, Zhejiang province, and Anhui province (Wu, W. et al., 2021). ... Research on clean ...

In 2022, a severe drought and heatwave occurred in the middle and lower reaches of the Yangtze River Basin. Previous studies have highlighted the severity of this event, yet the relevance of soil moisture (SM), as well as vapor pressure deficit (VPD) and vegetation damage, remained unclear. Here, we utilized solar-induced chlorophyll fluorescence (SIF) and ...

2.1 Study area. The YRB (24°30?N-35°45?N, 90°33?E-122°25?E) (Fig. 1) is the vast area through which the mainstream and tributaries of the Yangtze River flow, with a total length of 6,300 km and a total area of 1800,000 km 2, making it the third largest basin in the world.Originating in the Tanggula Mountains on the Tibetan Plateau, the YRB extends across ...

CO2 emissions will intensify the greenhouse effect and bring a series of problems. This study analyzes 78 cities in the Yangtze River Economic Belt (YREB) from 2005 to 2020. Firstly, the SBM-DEA model is used to measure the carbon emission efficiency (CEE). Secondly, the spatial aggregation and evolution characteristics of CEE are analyzed using the ...

The results show that under the baseline scenario, the energy demand and carbon emissions in the Yangtze River Delta region will continue to grow; under the condition of fully tapping the energy ...

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We use a process-based model to estimate the terrestrial carbon storage in Yangtze River Economic Belt (YREB) and to predict the change of carbon storage over the next 100 years. The results show that the vegetation carbon (VC) and soil organic carbon (SOC) storage were 8.97 and 28.85 Pg C in the YREB from 1981 to 2005, respectively.