Seoul energy storage case study text

Seoul has a high density of air quality monitoring stations (AQMSs) grouped into roadside, urban, and background types. Using the extensive data from 42 AQMSs in the period 2018 to 2021, the statistical characteristics of air pollutants required to calculate the daily air quality index DAQx* (daily maximum 1 h O_3 and NO_2 means and daily 24 h PM10 and PM2.5 ...

Application of green blue roof to mitigate heat island phenomena and resilient to climate change in urban areas: A case study from Seoul, Korea July 2017 Journal of Water and Land Development 33(1 ...

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Forecasting solar radiation has recently become the focus of numerous researchers due to the growing interest in green energy. This study aims to develop a seasonal auto-regressive integrated moving average (SARIMA) model to predict the daily and monthly solar radiation in Seoul, South Korea based on the hourly solar radiation data obtained from the Korean ...

Search Text. Search Type . add_circle_outline. remove_circle_outline . Journals. IJERPH. Volume 19. Issue 23. 10.3390/ijerph192315926 ... and Land Surface Temperature (LST) Using Explainable Artificial Intelligence (XAI) Models: A Case Study of Seoul, South Korea. International Journal of Environmental Research and Public Health, 19(23), ...

The study is presented in a logical way and investigates complementary aspects of the results. Conclusion is supported by convincing Figures, method description and a case study. There are a couple of sentences that need to be revised for better clarity,, all parameters in equations properly described, Affiliations added to all authors ect ...

PDF | On May 17, 2019, Yiwen Han published Quantifying the Carbon Storage CapaCity and its Spatial Distribution Patterns of Green Spaces in a Metropolitan Area: A Case Study of seoul, ...

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abstract = "Diverse state-of-the-art methods can be utilized to reduce energy consumption in water supply and distribution systems, including using high-efficiency equipment, shifting energy use away from peak demand times, energy recovery and storage devices, and renewable energy.

This paper quantitatively evaluated the impact of the electricity charge discount program on the economic feasibility of behind-the-meter energy storage systems. In this work, we first ...

Many cities are facing various water-related challenges caused by rapid urbanization and climate change. Moreover, a megacity may pose a greater risk due to its scale and complexity for coping with impending challenges. Infrastructure and governance also differ by the level of development of a city which indicates that the analysis of Integrated Water Resources Management (IWRM) ...

AMA Style. Oh Y, Byon Y-J, Song JY, Kwak H-C, Kang S. Dwell Time Estimation Using Real-Time Train Operation and Smart Card-Based Passenger Data: A Case Study in Seoul, South Korea.

Shared mobility (SM) services are transitioning from the introduction stage to the growth stage, driven by the growth of the sharing economy, the promotion of smart cities, the diverse personal transportation modes, and the development of autonomous driving technologies. SM services, such as car sharing, car-hailing, shared bikes, and e-scooters, have emerged as ...

Search Text. Search Type . add_circle_outline. remove_circle_outline . Journals. Sustainability. Volume 16. Issue 13. 10.3390/su16135719. Version Notes. Submit to this ... 2024. "Spatiotemporal Population Projections within the Framework of Shared Socioeconomic Pathways: A Seoul, Korea, Case Study" Sustainability 16, no. 13: 5719. https://doi ...

To fill this gap, this study examined the effects of urban factors on both LST derived from satellite image data and OAT measured at the pedestrian-level through a case study in Seoul, Korea. Two different temperature datasets were used for the same days in summer and winter, and corresponding urban spatial characteristics were calculated on ...

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