

Can the mobile pavement in Hanoi be equipped with solar air conditioning

The paper reviews the latest progress on solar pavement technology, present some considerations about the advantages and barriers for road operators in implementing these ...

This project built Hanoi's first model of a low emission community center with a combination of solutions, such as a playground built with upcycled materials, installation of rooftop solar panels, real-time air ...

This study conducts a comprehensive literature review on physical models and performance evaluations of PV pavement. The basic three-layer structure of the pavement module is ...

Studies have confirmed the feasibility of harvesting solar energy, cooling the pavement, snow melting/deicing as well as air conditioning of buildings by applying innovation technologies on ...

The value of the surface temperature of the rigid pavement can be determined by theoretical methods, theoretical methods combined with experimentation, or can be determined entirely by...

Pavement materials designed with high solar reflectivity are significant cooling strategies. High emissivity and albedo values are preferred for reducing the UHI effect. Heat-reflective thermal ...

Improvement of Air Quality: Air pollution in Hanoi has been a growing concern for both public health and the environment. The conversion of buses to electric energy is expected to improve ...

Air temperature and solar radiation are main two factors effecting the temperature distribution in concrete pavement slabs. This paper presents a method to determine the variation of...

Using renewable energy such as solar and wind energy to reduce impact on the environment has become an inevitable trend in the construction industry. In Vietnam, air conditioning systems using ...

Cool pavements lower the outside air temperature, allowing air conditioners to cool buildings with less energy. Cool pavements also save energy by reducing the need for electric street lighting at night.



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