

The results showed that floor area ratio, building density, average building height, and building spacing affect solar energy potential in residential areas [64]. Mahaya et al. ...

In response to the pressing need for sustainable urban development amidst global population growth and increased energy demands, this study explores the impact of an urban block morphology on the efficiency ...

The block-scale application of photovoltaic technology in cities is becoming a viable solution for renewable energy utilization. The rapid urbanization process has provided ...

Therefore, if the building material, such as a curtain wall BIPV system, is more transparent, it tends to absorb less solar energy, thereby affecting the efficiency of solar ...

Abstract: The ongoing climate crisis and turbulence on the world stage has highlighted the need for sustainability and resilience in the development and maintenance of ...

In Correia et al., Luminescent Solar Concentrators are displayed as financially savvy parts effectively incorporated in PV that can improve and advance the integration between PV ...

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