

DOI: 10.1016/J.JCLEPRO.2019.01.246 Corpus ID: 159116926; Optimal design of photovoltaic shading systems for multi-story buildings @article{Li2019OptimalDO, title={Optimal design of ...

Traditional rigid photovoltaic (PV) support structures exhibit several limitations during operational deployment. Therefore, flexible PV mounting systems have been developed. These flexible PV supports, characterized by ...

Yunzhou Xue's 46 research works with 4,121 citations and 12,660 reads, including: Structural Engineering of Two-dimensional Black Phosphorus towards Advanced Photonic Integrated ...

@article{Zhou2024StrengtheningMA, title={Strengthening mechanism and precipitation behavior of advanced ultrahigh-strength titanium microalloy weathering steels for photovoltaic support}, ...

Photovoltaic Bracket -Nanjing Chinylion Metal Products Co., Ltd.-Photovoltaic bracket is mainly applicable to distributed power stations, rooftop power stations, household, commercial and ...

Jiangsu Guoqiang SingSun Energy Co., LTD. is located in Liyang City, Changzhou, Jiangsu Province, with more than 1,700 employees Guoqiang SingSun, as a service provider focusing ...

GeSe has recently emerged as a promising photovoltaic absorber material due to its attractive optical and electrical properties as well as earth-abundant and low-toxic constituent elements.

Xue et al., Science 371, 636-640 (2021) 5 February 2021 1of5 1Department of Materials Science and Engineering and California NanoSystems Institute, University of California, Los Angeles, ...

Under three typical working conditions, the maximum stress of the PV bracket was 103.93 MPa, and the safety factor was 2.98, which met the strength requirements; the hinge joint of 2 rows of PV brackets had large deformation, ...

Chengqi Xue With the development and promotion of driverless technology, researchers are focusing on designing varied types of external interfaces to induce trust in road users towards ...

@article{Xiong2022SustainabilityAE, title={Sustainability and efficient use of building-integrated photovoltaic curtain wall array (BI-PVCWA) systems in building complex ...

The band edges of metal-halide perovskites with a general chemical structure of ABX<sub>3</sub> (A, usually a monovalent organic cation; B, a divalent cation; and X, a halide anion) are constructed ...

Many photovoltaic technologies have been developed during the past several decades, among which the organic-inorganic hybrid perovskite solar cells (PSCs) have drawn much attention, whose power conversion ...

A-sites join the band edge The band edge of hybrid organic-inorganic perovskites, which have the general formula  $ABX_3$ , is mainly controlled by the inorganic X anions (such as ...

6 ???&#0183; ???&#0183; ???&#0183; ???&#0183; ???&#0183; ???&#0183; ???&#0183; Abstract: In order to study the mechanical properties of the fixed photovoltaic bracket and its failure under wind load, the full ...

6 ???&#0183; The simulation model of fixed photovoltaic bracket is established by ABAQUS, and the numerical simulation results are compared with the test results. Through parameter analysis, ...

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