



# Solar Photovoltaic Power Generation Manager Liu





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**Junwei LIU , Doctor of Engineering , Tianjin University, Tianjin , tju**

In this work, the hybrid photovoltaic-thermoelectric systems with different glass cover coatings are developed to investigate the performance improvement with light and heat management.

[Fa LIU , Chinese Academy of Sciences, Beijing , CAS](#)

Accurate estimation of surface solar radiation (SSR) is crucial for photovoltaic (PV) systems design and solar PV power plants site selection.



[Prediction of Photovoltaic power generation and analyzing of carbon](#)

The power generation of renewable energy in the whole power generation system has increased rapidly in the past 10 years, and the proportion of solar power in the power generation ...



**Photovoltaic installations are extensively deployed in areas at risk of**

Using reanalysis weather data from 1986 to 2021 and a high-resolution global inventory of PV installations, we assess the impact of extreme low-production (ELP) events across various regions.



### [Photovoltaic MPPT control and improvement strategies ...](#)

This study presents a new optimization method for PV systems. It combines an IGWO Algorithm with PID-type SMC to enhance the effectiveness ...



### **Yue Liu**

The business includes Solar PV system with battery storage or diesel generator, Lithium battery powder materials lines, Lithium battery electrode material homogenization equipment, Battery module



### **?Jia Liu?**

Uncertainty energy planning of net-zero energy communities with peer-to-peer energy trading and green vehicle storage considering climate changes by 2050 with machine learning ...



### **Steven Liu**



I design and work on a variety of solar photovoltaic (PV) projects that range from 50 kW to 10+ MW, flat rooftops to capped landfills, municipal customers to Fortune 100 companies, and



[Liu HAOHUI , Senior Staff Scientist , Ph.D. , Solar Center of](#)

He works on PV system modelling, system performance and degradation study through data analysis, and floating PV technology. He is involved in the study of the world's largest floating PV

[Shanghai Sunplus New Energy Technology Co., Ltd.](#)

Sunplus, located in Shanghai, the economic, trade, shipping, science and technology center center of China, is mainly engaged in the R& D, production, ...



[Pan LIU , Professor \(Full\) , Ph. D , Wuhan University, Wuhan , WHU](#)

This study aimed to improve guidance for the daily generation scheduling of a large hydro-photovoltaic (PV) power plant. First, a robust optimization



[Solar photovoltaic panel soiling accumulation and removal methods: A](#)



Solar PV panels are the core components of PV power generation systems, and the accumulation of soiling on their surfaces has numerous adverse effects on power generation. This ...

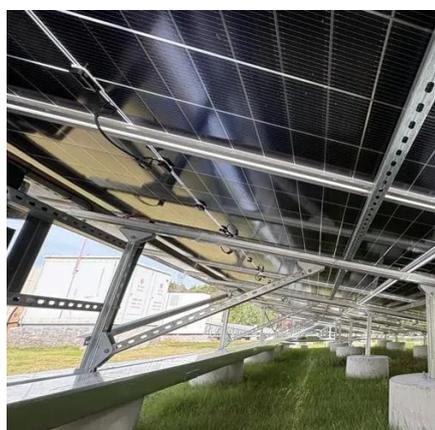


**Liu JIA , PhD student , The Hong Kong Polytechnic University, Hong ...**

This study develops peer-to-peer energy trading management and optimization approaches of renewable energy systems integrated with energy storage of hydrogen and battery vehicles for ...

**Jie Liu**

Sales Director for Solar Products · With more than 10 years' experience in the renewable energy market working in various sectors including Consulting Service, M& A, Solar Components Supplying



**Yuan Liu**

Responsible for the engineering design and implementation of clean energy projects (such as wind power and photovoltaic power stations) to optimize operation plans, improve equipment



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