

Liu Xueliang Solar Photovoltaic Panels



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Xueliang Liu

In my research, I will specifically investigate the internal geometry of plastic mixtures, which is a key property that needs to be understood and optimized in order to improve upon the currently low ...

[Environmental impact assessment of monocrystalline silicon solar](#)

Life cycle assessment on monocrystalline silicon (mono-Si) solar photovoltaic (PV) cell production in China is performed in the present study, aiming to evaluate the environmental burden, ...



Liu, Xueliang

We present an algorithm for the retrieval of glyoxal from backscattered solar radiation, and apply it to spectra measured by the Ozone Monitoring Instrument (OMI).

[Environmental impact of monocrystalline silicon photovoltaic modules](#)

This study evaluated the environmental impacts of mainstream N-type TOPCon Mono-Si PV modules, drawing on current field survey data, the analysis accurately reflected production ...



[Mechanism underlying the effect of physical properties on the ...](#)

In the present study, the dust motion and erosion characteristics of clear and dusty PV panels are investigated using a discrete element model.



[Xueliang LIU , Dongguan University of Technology, Dongguan](#)

In this paper, we are concerned with new weighted pseudo almost periodic solutions of the semilinear evolution equations with nonlocal conditions $x'(t) = A(t)x(t) + f(t, x(t))$, $x(0) = x_0 + g$



?xueliang liu?

IEEE Transactions on Circuits and Systems for Video Technology 31 (10), 3954 ... ACM Transactions on Multimedia Computing, Communications, and Applications ...



[Liu XUELIANG , Chinese Academy of Sciences, Beijing , CAS](#)

Nanozero valent iron and nickel particles of silica composite ($\text{SiO}_2/\text{Fe}/\text{Ni}$) were prepared via sodium borohydride reduction of ferric chloride and nickel chloride mixed solution in the presence of



[Xueliang Liu's research works , Shanghai Jiao Tong University, ...](#)

Xueliang Liu's 4 research works with 20 citations and 655 reads, including: A fast multipole boundary element method for half-space acoustic problems in a subsonic uniform flow

[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 ...



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