Chenyi Solar Power Generation

After fast developing of single-junction perovskite solar cells and organic solar cells in the past 10 years, it is becoming harder and harder to improve their power conversion efficiencies.

A Novel Dopant-Free Triphenylamine Based Molecular"Butterfly"Hole-Transport Material for Highly Efficient and Stable Perovskite Solar Cells. F Zhang, C Yi, P Wei, X Bi, J Luo, G Jacopin, S...

We are striving to realize the large scale utilization of solar energy in a cost efficient way by developing new materials and optimizing the interfaces of different functional layers in the solar cells.

growth and success in the solar photovoltaic power generation market. As the world"s largest energy consumer, China"s commitment to renewable energy and its pursuit of a more sustainable energy ...

Affiliations: [Department of Electrical Engineering, State Key Laboratory of Power System Operation and Control, Tsinghua University, Beijing, China].

Vacuum evaporation is promising for the high-throughput fabrication of perovskite solar cells (PSCs) because of its solvent-free characteristic, precise control of film thickness, and...

Our paper "Over 24% efficient MA-free CsxFA1-xPbX3 perovskite solar cells" has been published by Joule. https://lnkd /gAdb_yjB

The Molecular Additive N-Acetyl-L-Phenylalanine Delays the Crystallization and Suppresses the Phase Impurity for Achieving Triple-Cation Perovskite Solar Cells with Efficiency Over 25%

Special efforts will be put on semi-transparent and flexible solar cells as well as developing new process for high efficiency large-area perovskite solar modules.

Metal halide perovskite solar cell (PSC) has successfully distinguished itself in optoelectronic field by virtue of the sharp rise in power conversion efficiency over the past decade.

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