

Nanofluid based photovoltaic thermal systems integrated with phase change materials: Numerical simulation and thermodynamic analysis. A Salari, A Kazemian, T Ma, A Hakkaki-Fard, J Peng. ...

Junpeng Zhan Sherif Omar Faried Successful transition to active distribution networks (ADNs) requires a planning methodology that includes an accurate network model and accounts for ...

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Nanomaterials and photovoltaic applications. Dr Junpeng Liu. Email: Junpeng.liu@nottingham.ac.uk. Researcher. Project Summary. Dr. Junpeng Liu"s project is ...

Junpeng LIU has filed for patents to protect the following inventions. This listing includes patent applications that are pending as well as patents that have already been ...

The tandem cell structure is the most promising solution for the next generation photovoltaic technology to overcome the single-junction Shockley-Queisser limit. The ...

Jun Peng is an academic researcher from Australian National University. The author has contributed to research in topics: Perovskite (structure) & Passivation. The author has an ...

Wenzhu Liu. King Abdullah University of Science and Technology (KAUST), KAUST Solar Center (KSC), Physical Sciences and Engineering Division (PSE), Thuwal, ...

DOI: 10.1016/j.egy.2024.09.045 Corpus ID: 272982019; Lightning risk assessment of active distribution network with distributed photovoltaic system @article{Zhang2024LightningRA, ...

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This approach enabled the fabrication of perovskite solar modules (PSMs) that achieved a certified efficiency of 23.30% and ultimately stabilized at 22.97% over a 27.22-cm<sup>2</sup> ...

Owing to rapid development in their efficiency<sup>1</sup> and stability<sup>2</sup>, perovskite solar cells are at the forefront of emerging photovoltaic technologies. State-of-the-art cells exhibit ...

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