Can high-flexibility solar cells help China's low-carbon development?
[video:20230525-Chinese researchers develop high-flexibility solar cells for low-carbon development] Research fellows from the Shanghai Institute of Microsystem and Information Technology under the Chinese Academy of Sciences have developed high-flexibility monocrystalline silicon solar cells to serve China's low-carbon development in a better way.

Can high-flexibility monocrystalline silicon solar cells help China's low-carbon development?
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How efficient are perovskite solar cells?
A research team led by Prof. XU Jixian from the University of Science and Technology of China (USTC) of the Chinese Academy of Sciences (CAS) has made significant progress in Perovskite solar cells,setting a certified world record for Perovskite cell steady-state efficiency of 26.1%.

Can a stacked structure improve the stability of crystalline silicon solar cells?
A research team led by Prof. LI Dongdong at the Shanghai Advanced Research Institute and their collaborators reported a novel stacked structure to improve the stability of crystalline silicon solar cells. About Us Profile

Can c-Si solar cells be bent?
Chinese researchers have developed a special technology to tailor the edges of textured crystalline silicon (c-Si) solar cells,based on which the solar cells can be bentand folded like thin paper,allowing for broader application and use.

Can light soaking improve boron doping efficiency of silicon heterojunction solar cells?
Silicon heterojunction (SHJ) solar cell is usually considered to be a good choice for power plants owing to its high power-conversion efficiency. A recent work reports light soaking can activate boron doping in hydrogenated amorphous silicon (a-Si:H), improving efficiency of SHJ solar cells.

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His research work focuses on photovoltaic technology, including silicon heterojunction solar cell, perovskite tandem solar cell, back-contacted solar cell and other innovative PV technologies. He leads the research team at LONGi ...

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