



Research direction of photovoltaic panel refining technology

Pew Research Center is a nonpartisan, nonadvocacy fact tank that informs the public about the issues, attitudes and trends shaping the world.

In this study, the thermodynamic criteria for EoL silicon wafers refining using three most typical metallurgical refining processes: oxidation refining, evaporation refining, and solvent refining were ...

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To better understand which social media platforms Americans use, Pew Research Center surveyed 5,022 U.S. adults from Feb. 5 to June 18, 2025. SSRS conducted this National ...

This review examines the technological surveillance of photovoltaic panel recycling through a bibliometric study of articles and patents.

The recycling of silicon material in the Al-BSF module is investigated in this work. The components of the module are separated, and the silicon material in the module is collected and then ...

Today, most Americans subscribe to home broadband internet and own a smartphone, while about four-in-ten say they're online almost constantly.

This work proposes a refining process for optimizing the separation and recovery of silver and silicon using PV glass assisted directional solidification technology, in order to achieve efficient ...

In the ICARUS project, European partners collaborate to develop and scale innovative technologies for recovering and refining secondary raw materials from silicon photovoltaic (PV) ...

The conferences covered topics including research and development, application, business, policy, social science, identity and ethics. Center researchers used public information and ...

Research and development in photovoltaic panel (PVP) recycling have evolved to maximize recovery,

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including less valuable but non-renewable materials. Early recycling relied on ...

Research has to have an element of discovering something new, of creating knowledge. While a literature search is one important part of a research project, it isn't research in and of itself.

Photovoltaic (PV) technology is crucial for the transition to a carbon-neutral and sustainable society. In this Review, we provide a comprehensive overview of PV materials and...

Pew Research Center conducted this study to understand Americans' views of artificial intelligence (AI) and its potential impact on people and society. For this analysis, we surveyed 5,023 ...

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