Smelting photovoltaic panels

Researchers found a way to use solar thermal trapping, rather than fossil fuels, for smelting metal or cooking cement.

In a remarkable shift away from fossil fuels, researchers have developed a method with thermal mapping to achieve temperatures over 1,800°F (1,000 degrees Celsius) using solar energy ...

Researchers have discovered a groundbreaking way to use solar power to generate enough heat to smelt metal and power industrial processes. This innovative approach aims to reduce ...

Swiss microtechnology company Panatère, a watch component manufacturer and steel recycling business based in Saignelégier, has announced that it will soon inaugurate its ...

Swiss researchers have developed a solar energy method using synthetic quartz to achieve temperatures above 1,000°C for industrial processes, potentially replacing fossil fuels in the ...

As the world seeks to mitigate climate change and transition to renewable energy sources, solar-powered steelmaking stands out as a beacon of hope, shattering expectations and forging a path ...

"People tend to only think about electricity as energy, but in fact, about half of the energy is used in the form of heat." Scientists used semitransparent materials, including synthetic quartz, to ...

Many argue that the best way to solve climate change is to build our way out of it with solar panels, wind turbines, and other green technologies.

Scientists are developing a method of using solar heat to transform the smelting industry. Tech Xplore explained that scientists from ETH Zurich in Switzerland are trapping ridiculously hot ...

This paper investigates the economic feasibility of utilising energy flexibility in aluminium production as a viable solution to leverage electricity surpluses arising from the increasing number of ...

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