



Research on Low-Cost Electricity and Reductive CO₂ Utilization

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Message from the Guest Editors

Since the Industrial Revolution, there has been a huge rise in carbon dioxide in the atmosphere, resulting in many environmental concerns that have become increasingly prevalent in recent years. It is critical to reduce carbon dioxide emissions to a level that is sustainable to avoid global warming and climate change from taking place.

Developing low-carbon electricity is inextricably linked to new technology development. Pilot carbon trading, carbon capture power plant demonstrations, and other low-carbon technologies have shown initial results. It is still early days for low-carbon electrical solutions, so many more options need to be investigated.

The purpose of this Special Issue is to draw attention to the research being carried out in the areas of low-cost electricity and CO₂ reduction use at all levels of electricity generation, transmission, and usage. It focuses on the strategies, procedures, techniques, and methods for the power industry's low-carbon development, highlighting the most recent research advances made by domestic and international experts in the field of low-cost electricity and low-carbon energy.





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Message from the Editor-in-Chief

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