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CO2 Reduction and H2 Promotion Techniques in Energies

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Deadline for manuscript

closed (31 December 2023)

submissions:

Message from the Guest Editors

This Special Issue invites papers using a wide range of techniques for hydrogen production and CO₂ capture and storage. The main source of CO₂ is sustainable energy sources such as coal and biomass combustions. For CO₂ reduction, gasification and pyrolysis techniques were used to capture and store CO2 emission. However, researchers still face certain limitations, such as the huge energy demands of CO₂ capture, which leads to the high cost of these operations. Additionally, different techniques are still needed for CO₂ reduction and enhancing hydrogen production. This Special Issue invites papers covering not only gasification and pyrolysis techniques but also CO₂ capture and storage and controllable solutions for air pollutants. Papers focusing on socio- and economic analysis of the whole IGCC system and how biomass and coal can be used as clean energy for sustainable energy are welcome, as are papers using a wide range of techniques for CO₂ reduction and H₂ promotion in energies.









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Message from the Editor-in-Chief

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