



Green and Clean Hydrogen Production

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Message from the Guest Editor

Global warming has shifted the world's energy focus to green and clean energy. Hydrogen energy, with its zero pollution, high energy density, abundant resources, and wide range of uses, is considered to be the key part of energy industry transformation and plays an important role in the world's energy system. Hydrogen production technology is the foundation for the development of the hydrogen energy industry, and it is an important link in realizing hydrogen energy applications. This Special Issue considers all aspects of experimental techniques, numerical simulations, applications, and basic research related to green and clean hydrogen to replace fossil fuels and reduce greenhouse gas emissions, thus contributing to sustainable development. More hydrogen production programs are underway or planned to promote green hydrogen energy. Green hydrogen produced from renewable energy sources such as solar and wind power not only eliminates carbon emissions but also reduces the cost of hydrogen production. In addition, we are considering related research on hydrogen utilization to improve resource utilization.





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