

Special Issue

State-of-the-Art on Hydrogen Combustion

Message from the Guest Editors

The aim of the Special Issue is to gather comprehensive data about the kinetics and gasdynamics of hydrogen combustion. Nowadays, hydrogen is considered as a prospective energy carrier, so the issues arise concerning the effective and safe use, storage and transport. To get a clear understanding how to develop the strategy of hydrogen energy it is important to understand how the hydrogen combustion and explosion develop both under controlled conditions inside combustors and in the course of accidents. The scope of the Special Issue includes the issues related but not limited to:

- hydrogen oxidation kinetics;
- hydrogen explosion;
- hydrogen combustion including deflagration and turbulent combustion;
- hydrogen detonation;
- concentration flammability limits;
- control of hydrogen combustion;
- experimental study of hydrogen combustion;
- numerical study of hydrogen combustion.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Fire is an international open-access journal about the science, policy, and technology of fires and how they interact with communities and the environment. *Fire* seeks to provide a forum to help the fire science community convey how we can live with fire in a changing world. *Fire* seeks submissions from interdisciplinary studies that take a pyrogeography perspective of fires occurring in natural, cultural, and industrial landscapes and how they interact with communities in the science-policy interface. *Fire's* Editorial Board are widely recognized international leaders. The journal emphasizes quality and innovation and has a rigorous peer-review process. I strongly recommend *Fire* for the rapid publication of your innovative research publications and case studies.

Editor-in-Chief

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