Special Issue

Ignition and Combustion Characteristics of Automotive Fuels

Message from the Guest Editor

Energies, an open access journal is announcing a special issue titled: “Ignition and Combustion Characteristics of Automotive Fuels”. This Special Issue will contribute to our understanding of ignition chemistry. The papers in this issue are expected to advance our understanding of the ignition of fuels (including conventional, alternative, and surrogate fuels) through new experimental, theoretical, and/or kinetic modeling studies which include but are not limited to the following:

- Measurements and chemical kinetic simulations related to facilities such as burners, constant volume chambers, jet-stirred reactors, flow reactors, shock tubes, rapid compression machines, and engines
- Ab-initio studies of important oxidative and pyrolytic reaction pathways including rate constants, species thermodynamic, and transport properties
- Chemical kinetic modeling
- Reactive computational fluid dynamic simulations of engines or other experimental facilities

Guest Editor

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Deadline for manuscript submissions

closed (30 September 2021)

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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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