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Combustion Process, Emission Control, and Energy Generation in Internal Combustion Engines

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Message from the Guest Editors

The extensive use of internal combustion engines has made people's lives more convenient and has improved living standards, but the exhaust pollution generated by internal combustion engines is also a growing concern recently. Energy saving and emission reduction have become the most important methods of realizing green and sustainable development.

With the implementation of increasingly stringent regulations on exhaust gas constituents, many clean-combustion and low-pollution emission control technologies have been developed in the past 30 years. Through the application of these technologies, hydrocarbon (HC), nitrogen oxide (NO_x), carbon dioxide (CO₂) and particulate matter (PM) emissions from combustion can be mitigated effectively. Currently, the combustion process, emission control, and energy generation in internal combustion engines are attracting more and more attention from researchers worldwide.

We invite original research and review articles that will stimulate the continuing efforts to understand the combustion process, emission control, and energy generation in internal combustion engines.



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Special issue