Special Issue

Advanced Studies for PEM Fuel Cells in Hydrogen-Fueled Vehicles: 2nd Edition

Message from the Guest Editor

Fuel cells have a promising chance of becoming the devices of the future in the production of electrical work (electricity) from a range of different chemical fuels. Interest in fuel cells has increased in recent decades due to the negative facts related to the production of electrical work via conventional combustion of fossil fuels. Fuel cells offer more efficient conversion when using fossil fuels, and their technology offers further advantages when the fuel is hydrogen from renewable fuels or hydrogen from other renewable sources. They are devices that reduce CO2 emissions per unit of electricity produced when fossil fuels are the primary source and make the use of renewable fuels and renewable sources in transport practical. While much effort is devoted to fuel cells in hydrogen-fueled vehicles, there is a pressing need to innovate and demonstrate technologies to be implemented in this area. This Special Issue is focused on bringing together innovative developments, technologies, and solutions in the field of fuel cells in hydrogen-fueled vehicles.

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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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