High-temperature fuel cell research and development

Dept. of Energy - Fuel Cells

Tags: #Major #milestone #in #hydrogen #research

Proton Exchange Membrane (PEM) Fuel Cells

Haggard, Tim Hyde, Randy Bewley and Rich Williamson.

Hydrogen and Fuel Cell

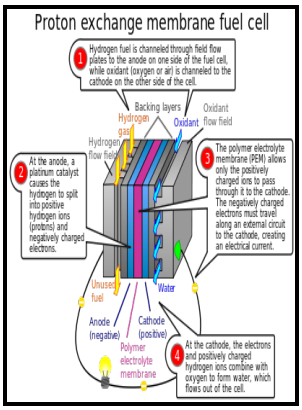
Specifically, the Walker Research Group has applied vibrational Raman spectroscopy and near IR thermal imaging to study electrochemical oxidation and materials degradation in high temperature solid oxide fuel cells SOFCs at temperatures as high as 850˚C.

High Temperature Fuel Cell Research Group Aims and Scope

Website: Ryan Anderson is an assistant professor in the Chemical and Biological Engineering Department and manages a low temperature PEM fuel cell lab.

Fuel Cells & Hydrogen

Research and Development We are investigating new applications for power,



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United States. -- Bureau of Alcohol, Tobacco, and Firearms -- Officials and employees -- Selection and appointment.
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Astérisque -- 213.
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Geological Survey professional paper -- 1124-A-F.
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SAN ; 1485-T 1High-temperature fuel cell research and development
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heat and transport. Such a high-temperature system has the potential to achieve overall conversion efficiencies in the 45 percent to 50 percent range, compared to approximately 30 percent for conventional electrolysis. There is growing interest in the use of hydrogen, not only for heat, but also as a vector to be used in transport.

Hydrogen and Fuel Cell

The Ceramatec fabrication technology approach has emphasized the use of mature, low-cost fabrication processes that are easily scaled to mass production.

High Temperature Fuel Cell Research Group Aims and Scope

Website: Paul Gannon is an associate professor in the Chemical and Biological Engineering Department and manages MSU's high temperature corrosion and corrosion protection laboratory. Anderson also hailed the steady focus from INEEL researchers and their partners for their determined efforts to overcome many research challenges to advance the technology.

Fuel Cells

Joint Research Center, JRC-IET 6.

Filesize: 55.12 MB

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