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Hydrogen Energy and Space Propulsion: Materials, Performances, and Matching

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Message from the Guest Editors

Hydrogen energy and space propulsion are highly researched in the current scientific fields and the ordinaries. Materials play dominant roles in the development of hydrogen energy and space propulsion, such as the materials of feedstock influences the production efficiency of hydrogen gas, the materials of membranes dominate the dynamic properties of hydrogen fuel cells, the materials of propellants determine the exothermic performances of space propellers, and the spraying materials of hydrogen fuel cells and propellers affect the comprehensive performances. Therefore, studying materials, especially the effects and matching of materials to performances, is significant to the developments of hydrogen energy and space propulsion. This Special Issue is aimed at providing selected contributions on advances in the materials, performances, and matching of hydrogen energy and space propulsion with regard to further development.

Potential topics include but are not limited to:

- Materials of Hydrogen Polymer Electrolyte Membrane Fuel Cells;
- Materials of Space Propellants;
- Materials of Hydrogen Combustion Engines;
- Materials of Feedstock to Hydrogen Production;



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Special Issue



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Message from the Editor-in-Chief

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