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HYDROGEN AND FUEL CELLS PROGRAM

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NOTICE

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- University of Michigan: HydroGEN Seedling: Monolithically Integrated Thin-Film/Silicon Tandem Photoelectrodes for High-Efficiency and Stable Photoelectrochemical Water Splitting
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 - Arizona State University: HydroGEN Seedling: Mixed Ionic Electronic Conducting Quaternary Perovskites: Materials by Design for Solar Thermochemical Hydrogen
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 - National Renewable Energy Laboratory: HySCORE: Hydrogen Storage Characterization and Optimization Research Effort
 - Argonne National Laboratory: HyMARC Seedling: “Graphene-Wrapped” Complex Hydrides as High-Capacity, Regenerable Hydrogen Storage Materials
 - Liox Power: HyMARC Seedling: Electrolyte-Assisted Hydrogen Storage Reactions

- University of Hawaii: HyMARC Seedling: Development of Magnesium Boride Etherates as Hydrogen Storage Materials
- National Renewable Energy Laboratory: HyMARC Seedling: Fluorinated Covalent Organic Frameworks: A Novel Pathway to Enhance Hydrogen Sorption and Control Isosteric Heats of Adsorption
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- University of Michigan: HyMARC Seedling: Optimized Hydrogen Adsorbents via Machine Learning and Crystal Engineering
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 - Washington University in St. Louis: Corrosion-Resistant Non-Carbon Electrocatalyst Supports for Proton Exchange Fuel Cells
 - Argonne National Laboratory: ElectroCat (Electrocatalysis Consortium)
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- Pacific Northwest National Laboratory: ElectroCat: Highly Active and Durable Platinum-Group-Metal-Free Oxygen Reduction Reaction Electrocatalysts through the Synergy of Active Sites
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 - National Renewable Energy Laboratory: Advanced Ionomers and Membrane Electrode Assemblies for Alkaline Membrane Fuel Cells
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 - NanoSonic, Inc.: FY17 SBIR II Release 1: Novel Hydrocarbon Ionomers for Durable Polymer Electrolyte Membranes
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 - United Technologies Research Center: High-Performance Polymer Electrolyte Membrane Fuel Cell Electrode Structures
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 - pH Matter, LLC: FY16 SBIR II Release 1: Regenerative Fuel Cell System
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 - Automated Dynamics: Continuous Fiber Composite Electrofusion Coupler
 - Mainstream Engineering: In-Line Quality Control of Polymer Electrolyte Membrane Materials
 - National Renewable Energy Laboratory: Manufacturing Competitiveness Analysis for Hydrogen Refueling Stations
 - Oak Ridge National Laboratory: Roll-to-Roll Advanced Materials Manufacturing Lab Consortium
 - Hawaii Natural Energy Institute: Hydrogen Energy Systems as a Grid Management Tool
 - Plug Power, Inc.: Fuel-Cell-Powered Airport Ground Support Equipment Deployment
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 - Pacific Northwest National Laboratory: Magnetocaloric Hydrogen Liquefaction
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 - Sandia National Laboratories: R&D for Safety, Codes and Standards: Materials and Components Compatibility
 - Los Alamos National Laboratory: Fuel Quality Assurance Research and Development and Impurity Testing in Support of Codes and Standards
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 - Pacific Northwest National Laboratory: Hydrogen Safety Panel, Safety Knowledge Tools, and First Responder Training Resources
 - National Renewable Energy Laboratory: NREL Hydrogen Sensor Testing Laboratory
 - Pacific Northwest National Laboratory: Compatibility of Polymeric Materials Used in the Hydrogen Infrastructure
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 - Argonne National Laboratory: Analysis of Technology Improvement in Fuel Cell Vehicles
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 - National Renewable Energy Laboratory: Regional Supply of Hydrogen
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 - Argonne National Laboratory: Analysis of Cost Impacts of Integrating Advanced Onboard Storage Systems with Hydrogen Delivery
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