Special Issue

Seawater Hydrogen Production: A Blue Ocean Strategy for Green Energy Guided by Intelligent Technology and Predictive Modeling

Message from the Guest Editor

This Special Issue will have a primary focus on the following cutting-edge research directions:

- AI- and Predictive Model-Driven Development of High-Performance Electrocatalysts
- Intelligent Electrolyzer Design and Process Optimization
- Big Data Analytics for Predictive Maintenance
- Smart Integration with Renewable Energy Sources
- Autonomous Seawater Hydrogen Production Systems and Resource Valorization

We cordially invite scientists and engineers from around the globe to submit original research articles and comprehensive review papers addressing the critical scientific questions and technological bottlenecks in seawater hydrogen production outlined above. Through this Special Issue, we aim to foster academic exchange, inspire innovative thinking, and collectively advance the development of AI- and predictive model-empowered seawater hydrogen technology, thereby making a significant contribution to the global energy transition and sustainable development.

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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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