



Surface/Interface Science of Advanced Energy Materials

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Message from the Guest Editors

Dear Colleagues,

In recent years, energy and environmental issues have received increasing attention. For the sustainable development of humanity, many countries have successively formulated plans for carbon emission reduction. The development of new energy technologies provides possible solutions for the realization of these goals. The Special Issue is set up to share the new discoveries and developments of surface/interface science of advanced energy materials. Original research articles, communications, perspectives, and comprehensive review papers related to this topic are welcome. In particular, the topics of interest include, but are not limited to, the following:

- Solid oxide fuel cells;
- Solid oxide electrolyzers/electrolysis cells;
- Solar cells;
- Metal-ion batteries;
- Lithium-sulfur batteries;
- Metal air batteries (Li-air, Mg-air, Al-air and Zn-air batteries);
- Cathode/anode electrode material;
- Electrolyte material.





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Message from the Editorial Board

Now more than ever, research is asked to deliver knowledge and technologies to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed in the spotlight of most contemporary research. Surface science and engineering play a key role in this regard, with an incredible potential in delivering new and deep scientific understanding and technical solutions essential to solve most of the major societal challenges.

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