



materials



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Advanced Functional Materials for Solid Oxide Electrochemical Cells

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Message from the Guest Editor

Dear Colleagues,

Continuous energy demand causes many worldwide problems, including greenhouse gas emission, global pollution and temperature change and consumption of limited fossil fuels sources. As a result, renewable and electrical storage technologies are attracting increasing attention. In this regard, solid oxide cells (SOCs) are at the forefront of current trends in the design and development of environmentally friendly devices which enable various electrochemical conversion processes with high efficiency and performance to be carried out. Although many promising results have been recently reached, investigations relating to material issues and different applied aspects of SOCs are still of great importance to overcoming existing fundamental and technological issues. Following this key direction, I am pleased to announce the Special Issue “Advanced functional materials for solid oxide electrochemical cells” in the journal *Materials*. The aim of this SI is to collect high quality **review articles**, forming a platform for the discussion of advances, current trends and challenges of solid oxide materials.



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Special Issue



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Message from the Editor-in-Chief

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