



materials



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Surface/Interface Science of Advanced Energy Conversion and Storage Materials

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Deadline for manuscript
submissions:

closed (20 August 2023)

Message from the Guest Editors

Dear Colleagues,

This issue is focused on surface and interface aspects concerning materials used for energy conversion and storage. The comparison of the surface to bulk properties can elucidate mechanisms leading to an increase or decrease in the charge transfer through interfaces. Therefore, any studies concerning surface aspects related to materials, where charge transfer can be enhanced or hindered, are warmly welcome.

In the case of energy conversion, research related to fuel cells or electrolyzers and concerning their compounds such as cathode or anode materials, fillers, coatings, sealants, and connectors can be considered taking into account corrosion features, degradation, and passivation. The understanding of the role of catalytic active sites and impact of substrates on conversion mechanisms at gas/solid, liquid/solid, and solid/solid interfaces is of interest.

Energy storage via electric batteries, hydrogen production, heat accumulation, etc. is of interest. We look forward to publishing your results in this Special Issue.



mdpi.com/si/152708

Special Issue



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Message from the Editor-in-Chief

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