Special Issue

Surface and Interface Science in Energy Materials

Message from the Guest Editors

Surface and interface phenomena critically influence the performance, durability, and efficiency of materials utilized for energy-related applications. Interfaces not only govern crucial processes such as electron transfer, chemical reactivity, catalytic efficiency, and stability under operational conditions, but also play a fundamental role in energy conversion, storage, and harvesting systems.

Given the complexity and multidisciplinary nature of these phenomena, continued research and advancement in surface and interface science is essential to accelerate progress toward next-generation energy technologies.

In this Special Issue, we invite original research articles, insightful reviews, and perspectives focusing on the latest advances and future directions in surface and interface science for energy materials. We aim to showcase cutting-edge experimental studies, theoretical and computational insights, novel processing techniques, advanced characterization methods, and innovative approaches to interface engineering, with the ultimate goal of highlighting and fostering progress in this critical research area.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Surfaces and interfaces are ubiquitous, and their relevance in Chemistry, Physics, Catalysis, Materials Science & Engineering, Nanoscience, Biology and Nanomedicine is nowadays well acknowledged. Similarly, surfaces cannot be neglected when targeting applications in many strategic fields, such as sensors, energy conversion and storage, environmental and food science, and medical devices.
Surfaces is a new Open Access journal that will provide rapid publication of scholarly articles on studies related to surfaces and interfaces. Its mission is to publish cutting edge articles and conference proceedings and organizing special issues to highlight outstanding research on specific topics, encouraging the application of a rigorous Surface Science-based approach to many complex interesting phenomena and breaking boundaries among different disciplines.

Editor-in-Chief

Prof. Dr. Gaetano Granozzi
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